

Subject: Graduate Research Assistantship at WVU

Ph.D. Graduate Research Assistant: Measuring and Modeling Hydrology and Water Quality in a Contemporary Multiple-Land-Use Watershed

The Interdisciplinary Hydrology Laboratory of West Virginia University and the Divisions of Plant and Soil Sciences, and Forestry and Natural Resources in Davis College of Agriculture, Natural Resources and Design, are pleased to announce availability of a graduate research assistant (GRA) to conduct independent research investigating hydrology and water quality in a dynamic, multi-land-use, urbanizing watershed of the eastern U.S. West Virginia University is the state's flagship research-one institution, and is among the top universities in the nation, with demonstrated excellence in teaching and research.

This four year position (annually renewable) begins in the summer or fall of 2016. Primary duties include water sampling and water quality measurements at each of at least five permanent hydroclimate monitoring sites (paired-nested-scale experimental watershed study design). Other duties include (but are not limited to) a variety of field work, stream cross sections, maintenance, physical habitat assessment, data collection, processing, and analyses, publications, and undergraduate technician supervision. Analysis and synthesis of a range of hydroclimate data resulting in the production of an exemplary dissertation is expected.

Applicants must possess a master's degree and have completed at least one degree in natural resources, ecology, environmental sciences, physical hydrology, water quality, or a closely related field. Experience in stream measurements, data processing, analysis and modeling, water quality monitoring and analysis, soil physics, GIS, and computer programming are a plus. Strong verbal, written, and computational skills are mandatory. Successful applicants will be required to work collaboratively and independently, conduct field work under variable weather conditions, and aid in installation and maintenance of instruments and monitoring sites. Applicants must possess a valid US driver's license and be able to lift and carry equipment and tools.

If interested in applying, please forward by email the following documents: transcript, curriculum vitae, recent GRE scores, recent TOEFL scores (international students), cover letter (including academic, research and professional goals and interests), and the names and contact information of three references to: Dr. Jason Hubbart, Institute of Water Security and Science, Division of Plant and Soil Sciences, 1098 Agricultural Sciences Building, West Virginia University, Morgantown, WV 26505, USA; Tel No. (304) 293-2472; Fax: (304) 293-2960; Email: Jason.Hubbart@mail.wvu.edu. Lab Website: <http://www.forh20.net/>